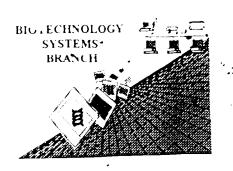
RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/701,947Source: 9/09/09/2001Date Processed by STIC: 09/09/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS. PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,

2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER VERSION 3.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3 0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3 0 works for sequence listings generated for the original version of 37 CFR §§1 821 – 1 825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST 25

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address: http://www.uspto.gov/web/offices/pac/checker

Raw Sequence Listing Error Summary

		
ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER:	
ATTN: NEW RULES CASES:	PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOF	ΓWARE
Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use apace characters, instead.	
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5Variable Length	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6PatentIn 2.0 "bug"	A "bug" in Patentln version 2.0 has caused fire <220>-<223> section to be missing from amino acid sequences(s) Normally, Patentln would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	••
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped	
,	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If Intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11Use of <220>	Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.	

AMC/MH - Biotechnology Systems Branch - 08/21/2001

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa

PCT09

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DATE: * " Lili
                       RAW SEQUENCE LISTING
                       FATENT AFFLINATION: US/09/701,947 TIME: 1 : H : H
                       Input Det : A:\seq.list.txt
                       3 - 110 APPLICANT: UNIVERSITY OF GEORGIA REJEARCH FOUNDATION, 100.
       5 k1205 fittle of invention: stabilide; bi.Active reftiles and method of
               IDENTIFICATION, SYNTHESIS AND COE
       9 (130 - FILE REFERENCE: 238.0001,20
TC--> 10 <140> CURRENT APPLICATION NUMBER: US/09/701,947
 C--> 11 <141> CURRENT FILING DATE: 2000-12-05
       13 (150) FRIOR APPLICATION NUMBER: 60 (104, 113
       14 <151 - FRIOR FILING DATE: 1998-10-13
       16 R150 FRIOR APPLICATION NUMBER: 67,112,15
       17 <151 - FRIOR FILING DATE: 1998-12-14
       19 01600 NUMBER OF SEQ ID NOS: 110
      22 <1700 SCFTWARE: Patentin Ver. 2.0
      25 KU190 SEQ ID NO: 1
         :::11: LENGTH: 133
      27
      29 KU12: TYPE: DNA
      31 00130 ORGANISM: Escherichia coli
      35 (400) SEQUENCE: 1
      37 qqdagtqago goaacgcaat taatgtgagt bagcbcact: attaqqcacc ccaggcttta oʻʻ
      39 daetttatge ttopggetog tatgttgtgt «gaattstga goggataaca atttcacaca 120
      41 qqaaaraget atg
      45 72100 SEQ ID NO: 2
                                                  Unknowns in sequence listing must
be inamerated in fields 221, 222, and
      47 Hill: LENGTH: 25
      49 KU12H TYPE: PRT
                                                   223 as well or listed in the siquence
      51 <215 ORGANISM: Artificial Sequence
       55 <1200 FEATURE:
                                                   Inting.
      57 <2230 CTHER INFORMATION: Description of Artifictal Sequence: peptide
              naving apposite charge ending motif
      63 <400> SEQUENCE: 2
 6
          1
 W--> 71  Xaa Xaa Xaa Xaa Xaa Arg Lys Arg Lys
                       2.
       79 - 2100 SEQ ID NO:
         - 211 LENGTH: 14
      83 - 212 - TYPE: FRT
       85 K213: ORGANISM: Artificial Sequence
      89 - 220 - FEATURE:
       91 × 223 × OTHER INFORMATION: Description of Artificial Corporate stabilized
               angiotemoin
       97 - 400 / SEÇMENCE: 3
       99 Pro Fio Ady Ari Val Tyr lle Bis Ert Ene Blv Ile Er Eru
       im kaink Jey ii m : 4
       .19 -211 - LENGTH: 18
       111 - 212 - TYPE: PAT
                                                               Use of n and / or Xaa has been detected in the
       113 × 213 × OF TANION: Artificial Degree to
                                                              Sequence Listing. Review the Sequence Listing
       117 küülə FEATMAE:
                                                              to ensure a corresponding explanation is present
                                                              in the <220> to <223> fields of each sequence
                                                              using n or Xaa
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RAW SEQUENCE LISTING

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         angithengin
128 - 407- 0<mark>8,7781178:</mark> 4
    Glu Acp Min Asp Asp Ard Mal Dyr Ille His Er | Free His Ille Ard Dyr
133 Arg Lys
141 K210% SEQ ID NA: 8
143 | 211> LENSTH: 1
    2125 TYPE: ERT
    -213> CRGANIUM: Homo sapiens
    -400> SEQMENTE: 5
    Asp Arg Val Tyr Ile His Fr. The His I.e.
    21100 (EQ II NO: 6
163 /211> LENGTH: ..
165 K2125 TYPE: DYA
167 (213> ORGANIUM: Artificial Mequence
171 <220> FEATURE:
173 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
177 <400> SEQUENCE: €
179 gttgccattg ctgcaggcat
183 <210> SEQ ID NO:
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187 (012) TYPE: CNA
189 0213% ORGANIOM: Artificial dequende
193 KARCH FEATURE:
195 (223) OTHER INFORMATION: Description of Artificial Deguence: polimer
199 <400> SEQUENCE: "
201 attgaattga taayatottt ootgtytyaa attottatoo yo
                                                                        * /-
105 4210 SEQ 10 No: 8
107 <211> LENGTH: 3
209 <212> TYPE: DNA
211 <213> CRGANISM: Artificial Sequence
215 K22CW FEATURE:
117 K2230 OTHER INFORMATION: Description of Amifficial dequence: primer
221 -400 - BEQUENCE: -
    attgaattsa s atygasas satsyvätyg igikkki
    1010 SEQ II NO: 9
    LII - LENGTH: I:
231 - 112 TYPE: LLA
   - 213 - ORGANISM: Artificial Complexion
    L10 · FEATURE:
230 L23 CTHER INFORMATION: Leventiph on of Artificial Cequence proper
243 :400 / SELUENCE: *
245 attattgras than assa
253 \times 212 \times \text{TYPE: } 11\%
USE - 213 - CERMINM: Artifl mal Degastion
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	Pyllis length: ··	
	2 VALLY IMPE: IMA	
	1 (2138 ORGANICA: Artificial Cequence	
261	. 2004 FEATMRE:	
_ ± 3	8 × 223× OTHER INF RMATION: Description of Artificial Company : 9:	111.01
267	1 K400N SEQUENTE: 11	
) taotatagai mingabhai mittaogyai mabin	• •
293	na 210% seç iti nakîle	
	K211N LENGTH: N	
	NAZIZN TYFE: CNA	
	+ > 213 + ORGANION: Artificial dequence	
	- 223% OTHER HEFORMATION: Description of Artificial Sequence: pr	inar
	<pre>+ k400 > GEQUENCE: 11</pre>	
	. tadataaago niggodigoo oggitaliat tainii	46
	-	
	Ralla CENSTH: 47	
	CK212> TYPE: CAA	
	-	
	- 220 - FEATURE:	
	220% Finited. - K223% OTHER INFORMATION: Description of Artificial Dequence: pr	
	- Nazar Timer (na shimilina) i Esp. 26 - 120 - 120 Alice 244 (1944) i 1955 (1954) - K400% SEQUENCE: 13	
	tatoatotgo agaggaaada gotatgadda tgallacdga ticadig	÷ ~
337	- tatoatotgo aqaggaaada gotatgadda tgattabuga ttbadtg -<210- BEQ ID No: 14	
337 339	 tatcatotgo agaggaaada gotatgacca tgattabuga ttbactg <210 - SEQ ID No: 14 <211> LENGTH: 40 	
337 339 341	 tatcatotgo agaggaaada gotatgacca tgattacdga ttoactg <210 - SEQ ID NO: 14 <211> LENGTH: 4° <212> TYFE: DNA 	
537 339 341 345	 tatcatotgo agaggaaada gotatgadda tgattaduga ttdadtg <210 - SEQ ID NO: 14 <211> LENGTH: 47 <212> TYFE: DNA <213> ORGANIUM: Artificial Seguence 	
337 339 341 343 247	<pre>tatcatotgo aqaggaaaca gotatgacca tgattatuga ttoactg (<210 SEQ ID No: 14 t</pre>	, je
537 339 340 340 347 549	 tatoatotgo agaggaada gotatgacca tgattacdga ttoactg <210 - SEQ ID No: 14 <211 - LENGTH: 4	, je
537 339 344 344 347 343 353	<pre>tatcatotgo agaggaada gotatgacca tgattacdga ttoactg <210 SEQ ID No: 14 <211> LENGTH: 4" <212> TYFE: DNA <213> ORGANISM: Artificial Sequence <220> FEATURE: <220> SEQUENCE: 14</pre>	47 imer
3379435 33437335 3447335 345735	tatoatotgo aqaggaada gotatgadda tgattaddga ttdadtg K210 SEQ ID NO: 14 K211 LENGTH: 4 K212 TYPE: DNA K213 ORGANIOM: Artificial Swyden # K220 FEATURE: K220 OTHER INFORMATION: Iwscription : Artificial Swyden #: p: K400 SEQUENCE: 14 Ctacatabto: a:maggaaa; Dinggong: Dod:Dotata tratoto	, je
337 339 341 343 247 349 353 559	<pre> tateatotge agaggaada gotatgaeda tgattaldga ttoactg</pre>	47 imer
337 339 341 343 343 343 359 361	<pre>tateatetge agaggaada getatgacea tgattacdga ttoactg <210 SEQ ID No: 14 <211 LENGTH: 4</pre>	47 imer
337 339 341 343 343 353 351 361 361 361 361 361 361 361 361	<pre>tateatotge agaggaada gotatgacea tgattacdga ttoactg <210 SEQ ID No: 14 <211 TYPE: DNA <212 TYPE: DNA <220 FEATURE: <220 SEATURE: <223 OTHER INFORMATION: 1-stription : Artificial Sequence: p: <400 SEQUENCE: 14 - tacatacto: a : raggada; nor rgcortgo coductatta tratutt <410 SEQ ID No: 15 <211 LENGTH: 47 <421 TYPE: DNA</pre>	47 imer
337 339 341 343 343 343 353 361 361 365 365 365 365 365 365 365	<pre>tatcatotgc agaggaaca gotatgacca tgattacdga ttoactg <210 SEQ ID NO: 14 <211 LENGTH: 40 <212 TYPE: ONA <213 ORGANIUM: Artificial Sequence <220 FEATURE: <220 SEQUENCE: 14 <220 SEQUENCE: 14 <220 SEQUENCE: 14 <221 SEQUENCE: 14 <221 SEQUENCE: 14 <221 SEQUENCE: 15 <221 LENGTH: 40 <221 SEQUENCE: 40 </pre>	47 imer
337 339 341 343 343 359 359 360 360 360 360 360 360	<pre>tatcatotgc agaggaaca gotatgacca tgattacdga ttoactg</pre>	iner
337 339 341 343 343 359 361 365 365 365 365	tatoatotgo agaggaada gotatgacca tgattacdga ttoactg <210	iner
337 339 341 343 343 353 359 361 365 366 366 366 366 366 366 366 366 366	tatoatotgo agaggaada gotatgacca tgattacdga ttoactg <210	iner
337 339 341 343 343 359 360 360 360 360 360 360 360 360 360 360	tatoatotgo agaggaada gotatgacca tgattacdga ttoactg <210	iner
337 339 343 343 343 353 353 353 353 353 353 353	<pre>tatcatotic agaggaaaca gotatgacca tgattacdga ttdactg <210</pre>	iner
337 339 344 344 345 345 347 347 347 347 347 347 347 347 347 347	<pre>tatcatctgc agaggaaaca gotatgacca tgattaddga ttoactg ' <210</pre>	iner
337 339 344 344 359 360 360 360 360 360 360 360 360 360 360	<pre>tatcatotgc agaggaaca gotatgacca tgattacdga ttoactg <210 SEQ ID No: 14 <211 LENGTH: 4</pre>	imer 47
337 339 3443 3443 345 347 347 347 347 347 347 347 347 347 347	<pre>tatcatotgc agaggaaca gotatgacca tgattsddga ttdactg <210</pre>	iner
337 339 3443 3443 345 347 347 347 347 347 347 347 347 347 347	<pre>tatcatotgc agaggaaca gotatgacca tgattacdga ttoactg <210 SEQ ID No: 14 <211 LENGTH: 4</pre>	iner

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>#** + L13 ** THER INFORMATION: Textript. n of Artificial Objected primer
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4.3 MAIN SE, II N : 1
4.1 ×211 × LENGTH: 4
    -211 · TYPE: 13%
419 (2138 OR WANDWE Artificial Degreeoe
413 220 - FEATURE:
415 (223) OTHER INFORMATION: Description of Artificial dequences primer
419 400% SEQUENCE: 10
    atatataago mootaaaaat ootooyotayo oo mijotaoy
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                                                                           4
425 ×210° SEQ ID 10°: 18
427
          LENGTH: 35
429 212
          TYPE: INA
431 (213) CROMNICM: Artificial Sequence
435 < 220: FEATURE:
437 223% OTHER INFORMATION: Lescription of Artificial Degreence: primer
441 -400% SEQUENCE: 15
443 tactatagat otatyaadaa arytytoaty dia oo
447 -210> SEÇ ID NO: 19
449 <2115 LENGTH: ·
451 <2125 TYPE: 11A
453 (213) ORGANISM: Artificial Sequence
457 - 2203 FEATURE:
459 K223 OTHER INFORMATION: Description of Artificial degree exprimer
463 (400) SEQUENCE: 19
                                                                            . 5
405 attagtgaat thypacaato totqcaataa ythit
469 :210> SEQ ID NO: L
471 <211> LENGTH: 15
473 <212> TYPE: IMA
475 (213) ORGANISM: Artificial Sequence
479 <220> FEATURE:
481 <223> OTHER INFORMATION: Iwarription of Artificial Sequence: primer
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487 -4400% REQUENTE: Lit
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Arm agatottatm asitin
493 ×210× SEQ II N : 21
495 211 LENGTH: 19
477 - 1127 TYPE: ITA
479 - 113. US JANILY: Artificial Jespense.
803 - 120 FEATURE:
 75 - 223 - CTHER INFORMATION: Iles bug to la la Abtolicação de quebres foi busa.
         i: : :::en
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*17 *21. JE, II : : 1.
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845 - 223 - THEE INFORMATION: I-wormphion of Arturidial U-grenow: promer

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